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Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2008; month=12; day=16; hr=16; min=7; sec=8; ms=611; ]

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## Validated By CRFValidator v 1.0.3

Application No: 10574922 Version No: 1.0

Input Set:

Output Set:

**Started:** 2008-12-01 17:01:16.612 **Finished:** 2008-12-01 17:01:18.282

**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 670 ms

Total Warnings: 17
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No. of SeqIDs Defined: 19

Actual SeqID Count: 19

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<sup>&</sup>lt;211> 1503

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<sup>&</sup>lt;213> Artificial Sequence

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<211> 500

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 protein construct

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Glu Lys Ile Arg Leu Arg Pro Gly Gly Lys Lys Lys Tyr Lys Leu Lys
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His Ile Val Trp Ala Ser Arg Glu Leu Glu Arg Phe Ala Val Asn Pro 35 40 45

Gly Leu Leu Glu Thr Ser Glu Gly Cys Arg Gln Ile Leu Gly Gln Leu
50 55 60

Gln Pro Ser Leu Gln Thr Gly Ser Glu Glu Leu Arg Ser Leu Tyr Asn
65 70 75 80

Т	hr	Val	Ala	Thr	Leu 85	Tyr	Суз	Val	His	Gln 90	Arg	Ile	Glu	Ile	Lys 95	Asp
Т	hr	Lys	Glu	Ala 100	Leu	Asp	Lys	Ile	Glu 105	Glu	Glu	Gln	Asn	Lys 110	Ser	Lys
L	ys	Lys	Ala 115	Gln	Gln	Ala	Ala	Ala 120	Asp	Thr	Gly	His	Ser 125	Asn	Gln	Val
s	er	Gln 130	Asn	Tyr	Pro	Ile	Val 135	Gln	Asn	Ile	Gln	Gly 140	Gln	Met	Val	His
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G	ly	His	Gln 195	Ala	Ala	Met	Gln	Met 200	Leu	Lys	Glu	Thr	Ile 205	Asn	Glu	Glu
A	la	Ala 210	Glu	Trp	Asp	Arg	Val 215	His	Pro	Val	His	Ala 220	Gly	Pro	Ile	Ala
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S	er	Thr	Leu	Gln	Glu 245	Gln	Ile	Gly	Trp	Met 250	Thr	Asn	Asn	Pro	Pro 255	Ile
Р	ro	Val	-	Glu 260	Ile	Tyr	Lys	_	Trp 265		Ile	Leu	Gly	Leu 270	Asn	Lys
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V	al	Gly	Gly 355	Pro	Gly	His	Lys	Ala 360	Arg	Val	Leu	Ala	Glu 365	Ala	Met	Ser
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Gly Lys Glu Gly His Gln Met Lys Asp Cys Thr Glu Arg Gln Ala Asn 420 425 430

Phe Leu Gly Lys Ile Trp Pro Ser Tyr Lys Gly Arg Pro Gly Asn Phe 435 440 445

Leu Gln Ser Arg Pro Glu Pro Thr Ala Pro Pro Glu Glu Ser Phe Arg
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<211> 1515

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
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<210> 8

<211> 504

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic protein construct

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Glu Lys Ile Arg Leu Arg Pro Gly Gly Lys Lys Lys Tyr Lys Leu Lys
20 25 30

His Ile Val Trp Ala Ser Arg Glu Leu Glu Arg Phe Ala Val Asn Pro 35 40 45

Gly Leu Leu Glu Thr Ser Glu Gly Cys Arg Gln Ile Leu Gly Gln Leu 50 55 60

Gln Pro Ser Leu Gln Thr Gly Ser Glu Glu Leu Arg Ser Leu Tyr Asn 65 70 75 80

Thr Val Ala Thr Leu Tyr Cys Val His Gln Arg Ile Glu Ile Lys Asp 85 90 95

Thr Lys Glu Ala Leu Asp Lys Ile Glu Glu Glu Gln Asn Lys Ser Lys
100 105 110

Lys Lys Ala Gln Gln Ala Ala Asp Thr Gly His Ser Asn Gln Val 115 120 125

Ser Gln Asn Tyr Pro Ile Val Gln Asn Ile Gln Gly Gln Met Val His 130 135 140

Glu Lys Ala Phe Ser Pro Glu Val Ile Pro Met Phe Ser Ala Leu Ser 165 170 175

Glu Gly Ala Thr Pro Gln Asp Leu Asn Thr Met Leu Asn Thr Val Gly
180 185 190

Gly His Gln Ala Ala Met Gln Met Leu Lys Glu Thr Ile Asn Glu Glu 195 200 205

Ala Ala Glu Trp Asp Arg Val His Pro Val His Ala Gly Pro Ile Ala

210 215 220